

Listing of Claims:

1. (Previously Presented) A removable liner for a centrifuge container having an interior cavity and an opening, the liner comprising:

a semi-rigid resilient body that is reversibly deformable, the body having an opening for introducing a sample, wherein the body of the liner conforms to the interior cavity of the container, once inside the container.

2. (Canceled)

3. (Previously Presented) The liner of claim 1, wherein said deformation of the body is in a form of folding, twisting, collapsing, rolling, pleating, or any combination thereof.

4. (Canceled)

5. (Previously Presented) The liner of claim 9, further comprising a strengthening structure for increasing the strength of said liner body, wherein said liner body has a side wall, and the strengthening structure is integrally formed on said side wall of the body.

6. (Original) The liner of claim 5, wherein said strengthening structure is a fold or a pleat.

7. (Original) The liner of claim 1 further comprising a peripheral sealing structure for providing a seal between the liner and the centrifuge container when assembled, wherein

said liner body has a side wall, and

the sealing structure is integrally formed with the body of the liner, and extends outwardly from the side wall of the liner body.

8. (Previously Presented) The liner of claim 7, wherein said sealing structure has an o-ring structure.

9. (Previously Presented) An assembly comprising

(a) a removable liner for a centrifuge container having an interior cavity and an opening, the liner comprising:

a flexible body having a cling property or a semi-rigid resilient body that is reversibly deformable, the body having an opening for introducing a sample and a liner cavity for holding the sample, wherein the body of the liner conforms to the interior cavity of the container, once inside the container and

(b) a removable internal support structure for restraining the body of the liner within the centrifuge container during centrifugation, wherein the support structure is made of a rigid material and positioned inside the liner cavity.

10. (Previously Presented) The assembly of claim 9, wherein a configuration of the internal support structure is selected from the group consisting of frames, curved self-supporting members, and multi-axis two-member assemblies.

11. (Canceled)

12. (Canceled)

13. (Original) The liner of claim 1, wherein said liner is disposable.

14. (Original) The liner of claim 1, wherein said liner is pre-sterilized.

15.-45. (Cancelled)

46. (Previously Presented) The assembly of claim 9, wherein the liner is partially filled with the sample and the internal support structure prevents the partially filled liner from collapsing during centrifugation.

47. (Previously Presented) The assembly of claim 9, wherein the internal support structure is integrally formed on an internal surface of a closure for the centrifuge container.

48. (Previously Presented) The assembly of claim 10, wherein the internal support structure is the multi-axis two-member assembly, wherein at least a portion of one member presses against at least a portion of the other member.

49. (Previously Presented) The assembly of claim 10, wherein the internal support structure is a multi-axis two-member assembly comprising two members snapped together.

50.-53. (Canceled)